NAME	EDUCATION/BACKGROUND AREA OF INTEREST	HOW INTEREST IN SHROUD BEGAN	YEAR SHROUD RESEARCH BEGAN
Laude Jean-Pierre -	- **Engineering Degree in optics** from the Ecole Supérieure d'Optique de Paris. - **Doctorate in Instrumental spectrometry** from Orsay University. - Prof.Career: From 1966 to 2000 in Jobin Yvon, he started research on gratings, designed unique interferometricall controlled grating ruling engines and contributed to introduction and development of holographic gratings. - He became Research Director of ISA (later became Horiba Jobin Yvon) in 1974 and conducted research on Scientific Instrumentation, gratings, lasers, anticounterfeiting components, various devices,, WDM and DWDM. - He became an independent researcher and consultant in July 2000. - Member of OSA, SAS, and SPIE, F**ellow of SPIE the international society for optics and photonics**, past member of SFO, EOS, Edison Award Committee of ASME, IEEE, and NEW YORK Acad. of Sc. (USA). Author of 3 books on optical multiplexing and of an encyclopedy in optics. - **Currently Member of SSG (**Shroud Science Group**) and MNTV (Montre Nous Ton Visage)** which means: Show us Yours Face, association devoted to Knowledge and Contemplation of the Shroud. **- Several scientific papers on the Shroud** in OSA 2016 and SAS 2017 Journal (Biliverdin in the blood on fibers) , in ICORS 2018 Raman and Fluorescence of linen exposed to UV 2018, or protons in SPIE 2022. Author of few MNTV papers, in science (Cahiers 57, 64 and 68 and in history of the Shroud (Cahiers 51 and 67). **Interested in iconography of the Shroud and in diverse scientific aspects of the Shroud. Fully convinced of the Shroud autenticity.**	In Applied Optics Vol. 19, June 15, 1980 and 2 months later August 1980 were published several papers dealing with investigations performed in October 1978 on the 'l'urin Shroutl. 'l'he authors of these papers were part of a team of scientists and support technicians known as the **Shroud of Turin Research Project (STURP).** I was enthusiastic about what had been discovered and decided to also try to contribute to this subject of research on what seemed to me **an authentic relic and not just any one!** After all, I was an optics specialist myself, also publishing, however on subjects very far from that. (sometimes in Applied Optics Journal precisely !) I started with bibliography concerning the history and the numerous studies on the Shroud prior to 1980 and I attended several ostensions since then. including in 1998, on occasion of the centenary of Secondo Pia famous photography, 1998, 2000, 2010, 2013, 2020. **On 2014 Jean Baptiste Rinaudo gave to me access to few of his research samples.**[1-2] **On 2015, I met Prof. Giulio Fanti, who gave to me Raman and EDS data obtained in his laboratory from a microsubstance adhering to a fiber of the Shroud, in view spectra interpretation.** We found products of heme including heme/biliverdin-derived compounds and protein traces. Biliverdin is responsible for the greenish color observed after a few days on certain bruises (left by a tortured man?) [3-4].	I began in June 1980 after STURP in App. Opt. publications. Moreover, me too, I obtained some 3D characteristics on a Shroud Face reproduction, in an own image processing (results too poor to be published). I was now fully convinced of the very probable authenticity of the Shroud. Moreover I also found an amazing similarity between a statue of Christ dated 1210 in Chartres cathedral and the image on the Shroud. Statue [5] that I knew well having previously observed it during several student pilgrimages. April, 3, 2014 Jean Baptiste Rinaudo hands over to me samples of flax irradiated with protons at the CENEG Centre Etudes Nucléaires Bordeaux Gradignan (Fr 33170) for spectroscopic and optical analysis. December, 1, 2015 visit, with Christine, my wife, to Giulio. Fanti in Padova.

1) Raman and Fluorescence spectra of UV or proton exposed linens: a tentative to evaluate some hypotheses on the Shroud of Turin image formation. ICORS 2018.,Jeju Korea. Conference J. P. Laude August 2018 https://www.researchgate.net/publication/327394036

2) Article J. P. Laude May 2022, SPIE Gamma rays, explaining a biased radio-dating and the imaging on the Shroud of Turin

3) Ram an - EDS Coupling for identification of unknowstances in Archaeology applied to the Turin Shroud Article J P Laude January 2016, Optical Society of America (OSA) https://opg.optica.org/viewmedia.cfm?uri=FiO-2016-JTh2A.84&seq=0

4) Presence of oxidized blood derivatives on the Shroud of Turin Article J. P. Laude and G. Fanti, Applied Spectroscopy, July 2017, SAGE Pub

5) https://www.academia.edu/40145633 J. P. Laude Conference slides on line of "A comparison of "Christ The Teacher" a statue at the Chartres Cathedral with the Turin Shroud raises interesting questions of the Shroud's history" Science, Theology and the Holy Shroud Int. Conf. on the Shroud of Turin,. ISBN 978-0919857-95-7 Doorway, Ancaster, 2020